

Foreword

How Forecasts Are Made

Most of the annual streamflow in the Western United States originates as snowfall. This snowfall accumulates high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are viewed in conjunction with snowpack data to prepare runoff forecasts. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data and narratives describing current conditions.

Streamflow forecasts are cooperatively generated by Soil Conservation Service and National Weather Service hydrologists. Forecasts become more accurate as more data affecting runoff becomes known. For this reason, forecasts are issued that reflect three future precipitation conditions — Below Normal, Average, and Above Normal. These forecasts are termed reasonable minimum, most probable, and reasonable maximum. Actual streamflow can be expected to fall between the lower and upper forecast values eight out of ten years.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation, temperature, and other parameters are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

For More Information

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below. Because of the limited space, snow survey measurements are not published in monthly reports. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

| STATE | ADDRESS |
|--------------------------|---|
| Alaska | 201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687 |
| Arizona | 201 East Indianola, Suite 200, Phoenix, AZ 85012 |
| Colorado (New Mexico) | 2490 West 26th Ave., Denver, CO 80211 |
| Idaho | 304 North 8th Street, Room 345, Boise, ID 83702 |
| Montana | 10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715 |
| Nevada | 1201 Terminal Way, Second Floor, Reno, NV 89502 |
| Oregon | 1220 Southwest 3rd Ave., 16th Floor, Portland, OR 97204 |
| Utah | 4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147 |
| Washington | 360 U.S. Court House, Spokane, WA 99201 |
| Wyoming | Federal Building, 100 East "B" Street, Casper, WY 82602 |

In addition to state reports, a Water Supply Outlook for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 547, Portland, OR 97209.

Published by other agencies:

Water Supply Outlook Reports prepared by other agencies include: California — Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta, Saskatchewan, and N.W.T. — The Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta, T3C 1A6.

Nevada Water Supply Outlook

and

Federal - State - Private Cooperative Snow Surveys

Issued By

Wilson Scaling
Chief
Soil Conservation Service
Washington, DC 20013

Released By

Gerald Thola
State Conservationist
Soil Conservation Service
Reno, Nevada 89502

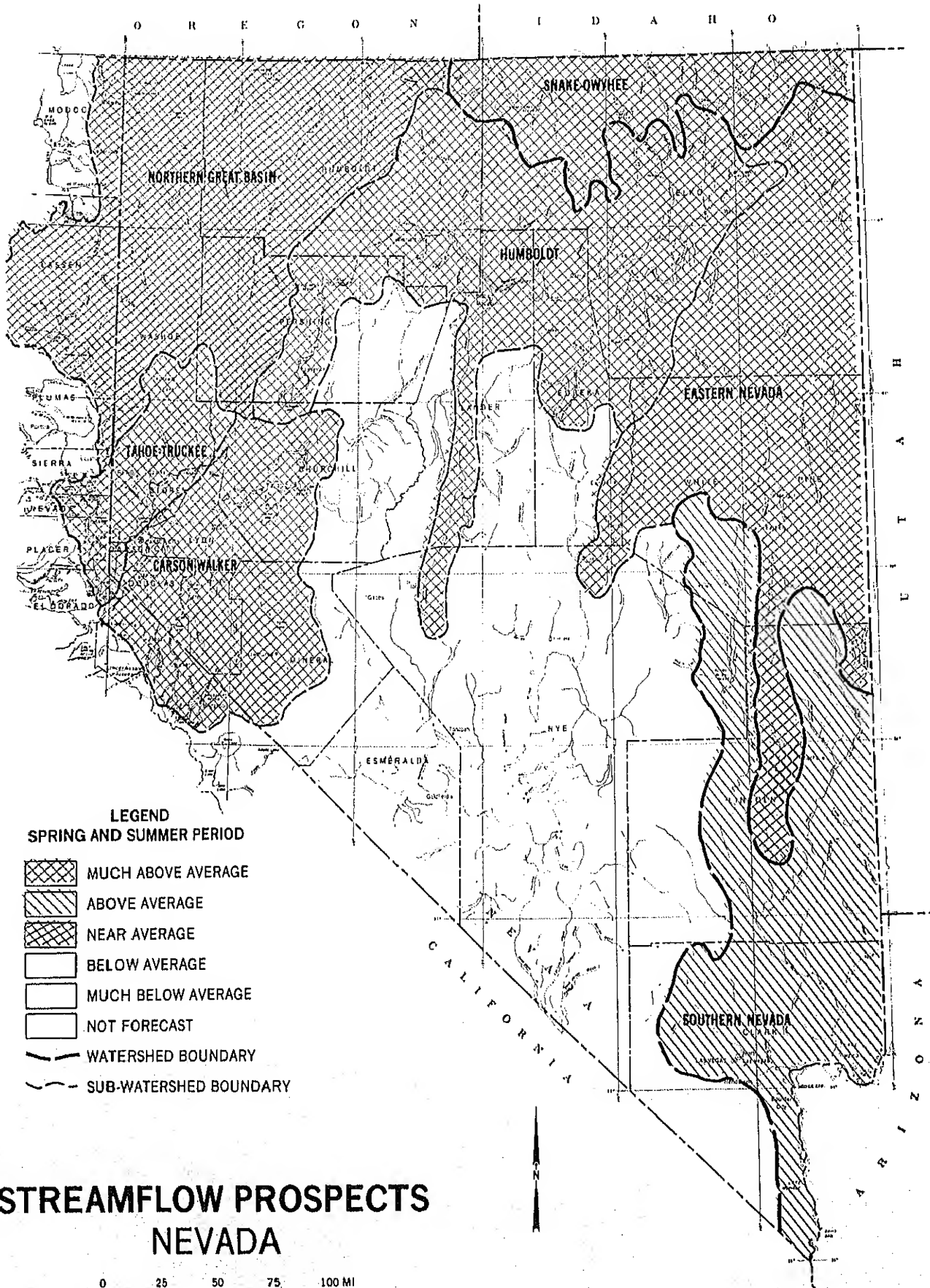
Prepared By

John R. Capurro
Water Supply Specialist
Soil Conservation Service
1201 Terminal Way, Second Floor
Reno, Nevada 89502

In Cooperation With

Roland D. Westergard
Director
Department of Conservation &
Natural Resources
Carson City, Nevada 89701

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GENERAL OUTLOOK

SUMMARY:

SNOWPACK WATER CONTENT VALUES INCREASED DRAMATICALLY THROUGHOUT NEVADA DURING FEBRUARY. THE LARGEST INCREASES WERE RECORDED IN THE SIERRA NEVADA MOUNTAIN RANGE WITH BASIN WATER CONTENT INCREASING BY AS MUCH AS 60 PERCENT. INCREASES BETWEEN 25 AND 30 PERCENT WERE RECORDED IN THE HUMBOLDT, SNAKE, AND OWYHEE BASINS. PRECIPITATION DURING FEBRUARY WAS SIGNIFICANTLY ABOVE AVERAGE. MONTHLY PRECIPITATION RANGED FROM 100 PERCENT IN SOUTHERN NEVADA TO 430 PERCENT IN THE NORTHERN GREAT BASIN. THE SERIES OF WARM STORMS THE MIDDLE OF THE MONTH CAUSED FLOODING AND DEBRIS SLIDES AND CLOSED MAJOR HIGHWAYS BETWEEN NEVADA AND CALIFORNIA. RESERVOIR STORAGE IS ABOVE AVERAGE AS THE FACILITIES WERE USED TO LESSEN DOWNSTREAM FLOODING. RELEASES ARE BEING MADE FROM MOST RESERVOIRS IN ANTICIPATION OF ABOVE AVERAGE RUN-OFF. STREAMFLOW FORECASTS HAVE BEEN INCREASED TO REFLECT INCREASED BASIN SNOWPACK .

SNOWPACK:

Major storms during February increased Sierra Nevada Mountain Range snowpack by about 60 percent. Basin snowpack conditions in western Nevada are 140-150 percent of average. Increases in the rest of Nevada ranged from 25-30 percent. Extreme avalanche danger existed through-out the state after the storm and an avalanche destroyed the Hole-In-Mountain SNOTEL site in eastern Nevada. .

PRECIPITATION:

Precipitation values were much above average for most basins. The largest monthly basin value was the Northern Great basin at 430 percent of average. The Tahoe-Truckee, Snake-Owyhee, and Carson-Walker basins were in excess of 200 percent of average for the month. Southern Nevada reported average monthly precipitation. Water year precipitation for all basins, with the exception of Southern Nevada, is 120 to 145 percent of average. Southern Nevada is 105 percent of average for the water year. .

RESERVOIRS:

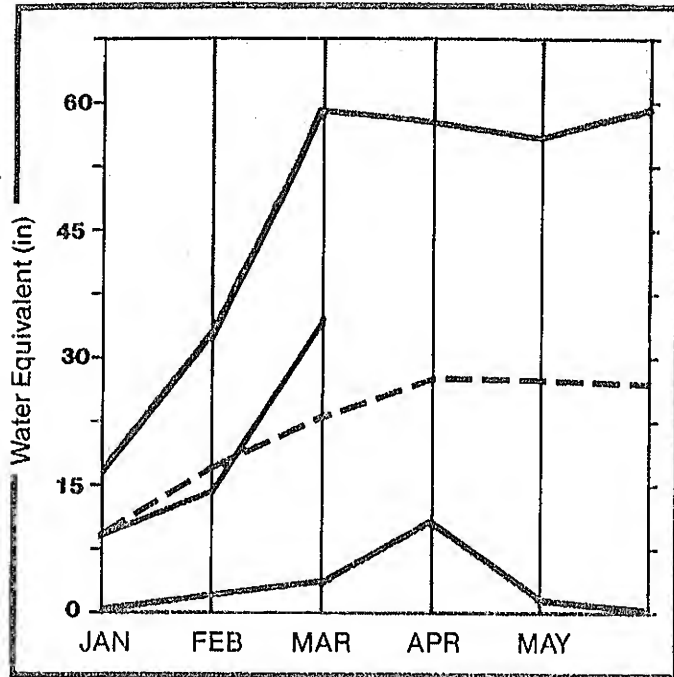
Reservoir storage statewide is above average for March 1. Runoff during the major February storm filled many reservoirs. Releases are being made currently to provide storage capacity for spring runoff. Tahoe-Truckee basin reservoirs are 160 percent of average while Carson-Walker basin storage is 130 percent of average. Rye Patch Reservoir is 135 percent of average and Wildhorse Reservoir is 180 percent of average. Storage in the seven major reservoirs is 150 percent of average. .

STREAMFLOW:

All streamflow forecasts have been increased since February 1. Truckee River at Farad, California is forecasted to flow 400,000 acre feet or 150 percent of average. The April through July forecast for Carson River near Carson City is 330,000 acre feet or 180 percent of twenty year averages. Forecast values within the Humboldt basin are between 140 and 185 percent of average. Humboldt River at Palisade forecast is 400,000 acre feet an increase of 155,000 acre feet since February 1. .

TAHOE & TRUCKEE BASINS

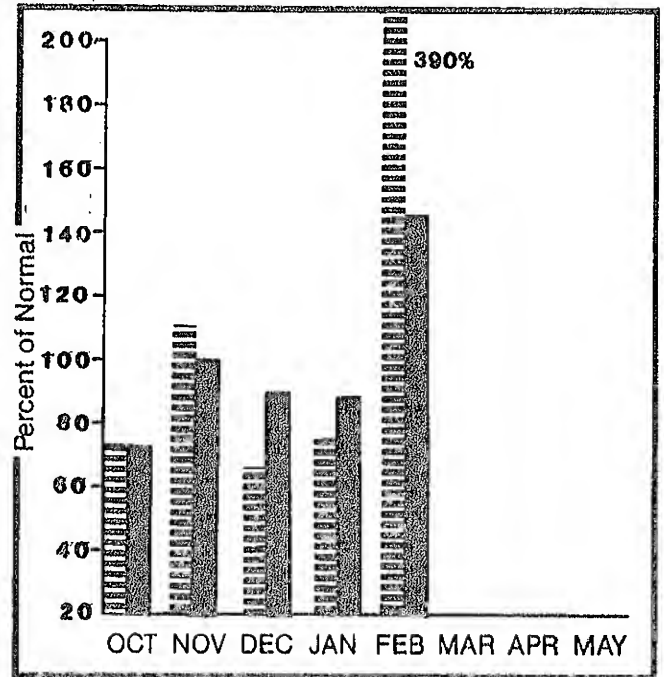
Mountain snowpack* (inches)



*Based on selected stations

Maximum ——— Average - - - -
 Minimum ——— Current ———

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation Year to date precipitation

WATER SUPPLY OUTLOOK:

The basin water supply outlook is excellent. Snowpack accumulations are 150 percent of average; a 60 percent increase since February 1. Reservoir storage is well above average because all available storage was used to avert further flooding along the Truckee River. All streamflow forecasts for the basin have been increased. Monthly precipitation was 390 percent of average. Truckee River at Farad forecast is 400,000 acre feet or 150 percent of average. .

For more information contact your local Soil Conservation Service office.

TAHOE & TRUCKEE BASINS

STREAMFLOW FORECASTS

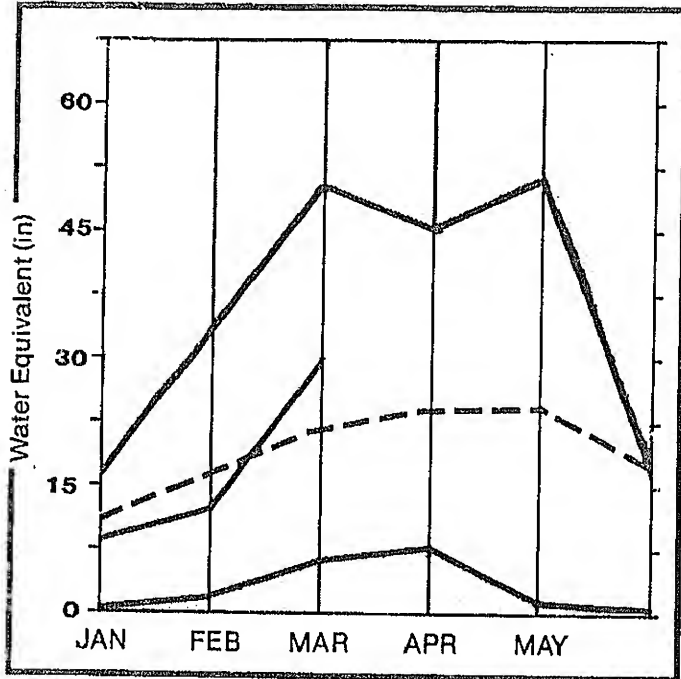
| FORECAST POINT | FORECAST PERIOD | 20 YR. AVE. (1000AF) | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVE.) | REAS. MAX. (% AVE.) | REAS. MIN. (% AVE.) | PEAK FLOW (CFS) | PEAK DATE | LOW FLOW (CFS) | LOW DATE |
|---------------------------------------|-----------------|----------------------|------------------------|------------------------|---------------------|---------------------|-----------------|-----------|----------------|----------|
| LAKE TAHOE RISE (assume gates closed) | APR-HIG | 1.3 | 2.2 | 158 | 216 | 144 | | | | |
| TRUCKEE RIVER at Farad, Ca | APR-JUL | 269.0 | 400.0 | 140 | 194 | 104 | | | | |
| LITTLE TRUCKEE RIVER above Boca, Ca | APR-JUL | 92.5 | 133.0 | 143 | 194 | 94 | | | | |
| PYRAMID LAKE RISE (LOW 12/1/85) | LOW-HIG | 1.17 | 9.0 | 218 | 239 | 196 | | | | |
| STEAMBOAT CREEK at Steamboat, Nv | APR-JUL | 5.2 | 8.0 | 153 | 192 | 115 | | | | |
| SAGEHEN CREEK, Ca | APR-JUL | 6.5 | 10.4 | 160 | 215 | 108 | | | | |
| GALENA CREEK nr Steamboat, Nv | APR-JUL | 4.4 | 7.2 | 163 | 205 | 114 | | | | |

| RESERVOIR STORAGE (1000AF) | | | | | WATERSHED SNOWPACK ANALYSIS | | |
|----------------------------|------------------|---------------------------|---------------------------|----------------------|-----------------------------|-------------------|------------------------------------|
| RESERVOIR | USEABLE CAPACITY | USEABLE STORAGE THIS YEAR | USEABLE STORAGE LAST YEAR | USEABLE STORAGE AVE. | WATERSHED | NO. COURSES AVE.D | THIS YEAR AS % OF LAST YR. AVERAGE |
| BOCA RESERVOIR | 40.9 | 31.5 | 14.0 | 18.2 | LAKE TAHOE RISE | 14 | 194 152 |
| LAKE TAHOE | 744.6 | 664.6 | 528.0 | 416.3 | TRUCKEE BASIN | 15 | 190 146 |
| PROSSER RESERVOIR | 28.6 | 9.7 | 9.0 | 7.3 | LITTLE TRUCKEE RIVER | 3 | 195 144 |
| STAMPEDE RESERVOIR | 226.5 | 158.6 | 193.0 | 104.1 | SAGE HEN CREEK | 5 | 179 141 |
| | | | | | GALENA CREEK | 3 | 208 164 |
| | | | | | STEAMBOAT DRAINAGE | 2 | 205 156 |
| | | | | | PYRAMID LAKE | 29 | 192 149 |

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

CARSON & WALKER BASINS

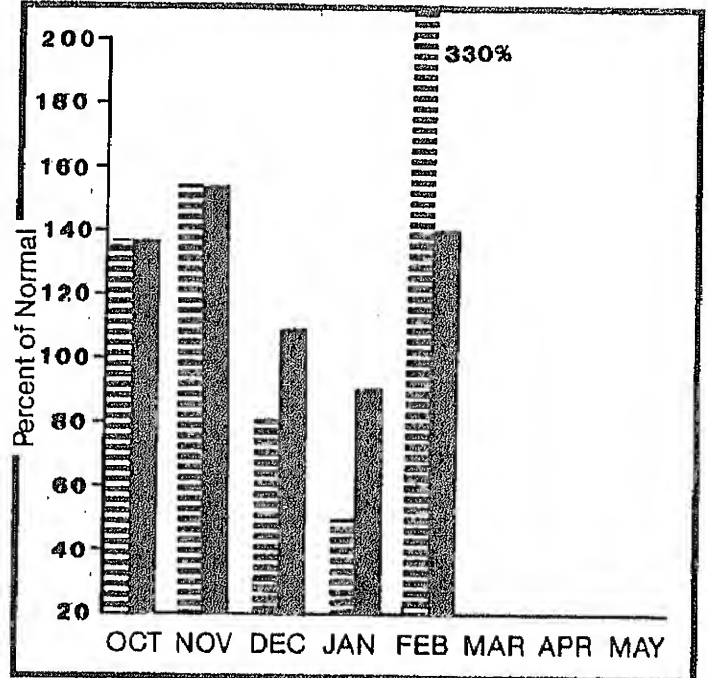
Mountain snowpack* (inches)



*Based on selected stations

Maximum ——— Average - - - -
Minimum ——— Current ———

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

There was dramatic improvement in snowpack conditions since February 1. The basin snowpack is 150 percent of average, up from 80 percent a month ago. Large increases in reservoir storage were recorded as the result of significant storm run-off. Water is being released from Lahontan Reservoir in order to provide adequate capacity for spring run-off. All streamflow forecasts have been increased. February precipitation was 330 percent of average.

For more information contact your local Soil Conservation Service office.

CARSON & WALKER BASINS

STREAMFLOW FORECASTS

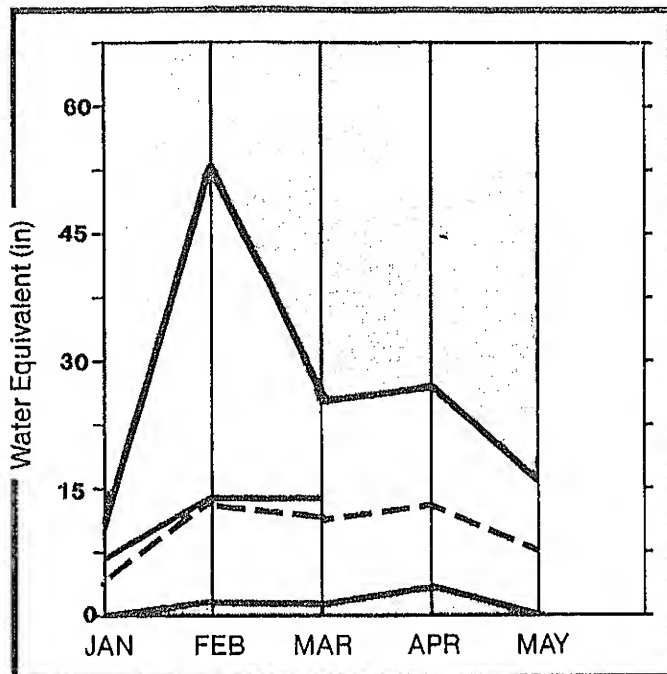
| FORECAST POINT | FORECAST PERIOD | 20 YR. AVE. (1000AF) | HIST PROBABLE (1000AF) | HIST PROBABLE (% AVE.) | REAS. MAX. (% AVE.) | REAS. MIN. (% AVE.) | PEAK FLOW (CFS) | PEAK DATE | LOW FLOW (CFS) | LOW DATE |
|--------------------------------------|-----------------|----------------------|------------------------|------------------------|---------------------|---------------------|-----------------|-----------|----------------|----------|
| EF CARSON RIVER nr Gardnerville, Nv | APR-JUL | 187.0 | 285.0 | 152 | 183 | 121 | 2984 | | 200 | JUL 10 |
| WF CARSON RIVER at Woodfords, Ca | APR-JUL | 53.0 | 84.0 | 158 | 191 | 126 | | | | |
| CARSON RIVER near Carson City, Nv | APR-JUL | 182.0 | 300.0 | 144 | 209 | 121 | 3566 | | | |
| CARSON RIVER near Ft. Churchill, Nv | APR-JUL | 166.0 | 280.0 | 168 | 217 | 120 | 3350 | | | |
| EAST WALKER RIVER nr Bridgeport, Ca | APR-AUG | 66.0 | 105.0 | 159 | 211 | 108 | | | | |
| WEST WALKER RIVER near Coleville, Ca | APR-JUL | 148.0 | 230.0 | 155 | 184 | 126 | 2542 | | | |
| WALKER LAKE RISE (LOW 1/6/86) | LOW-HIG | -0.03 | 6.6 | 290 | 360 | 239 | | | | |

| RESERVOIR STORAGE (1000AF) | | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|----------------------------|------------------|---------------------------------|-----------|-------|-----------------------------|-------------------|----------------------------|--------------|
| RESERVOIR | USEABLE CAPACITY | ** USEABLE STORAGE ** THIS YEAR | LAST YEAR | AVE. | WATERSHED | NO. COURSES AVE.D | THIS YEAR AS % OF LAST YR. | % OF AVERAGE |
| BRIDGEPORT RESERVOIR | 42.5 | 34.6 | 39.0 | 31.3 | E. CARSON RIVER | 7 | 213 | 155 |
| LAHONTAN RESERVOIR | 295.1 | 292.7 | 203.0 | 211.8 | W. CARSON RIVER | 4 | 198 | 149 |
| TOPAZ RESERVOIR | 59.4 | 48.9 | 28.0 | 39.6 | CARSON Rv. at Carson City | 6 | 220 | 159 |
| | | | | | CARSON Rv. at Ft. Churchi | 6 | 220 | 159 |
| | | | | | E. WALKER Rv. nr Bridgepo | 6 | 232 | 163 |
| | | | | | W. WALKER Rv. nr Colevill | 8 | 234 | 164 |
| | | | | | WALKER LAKE RISE | 9 | 235 | 166 |

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

HUMBOLDT BASIN

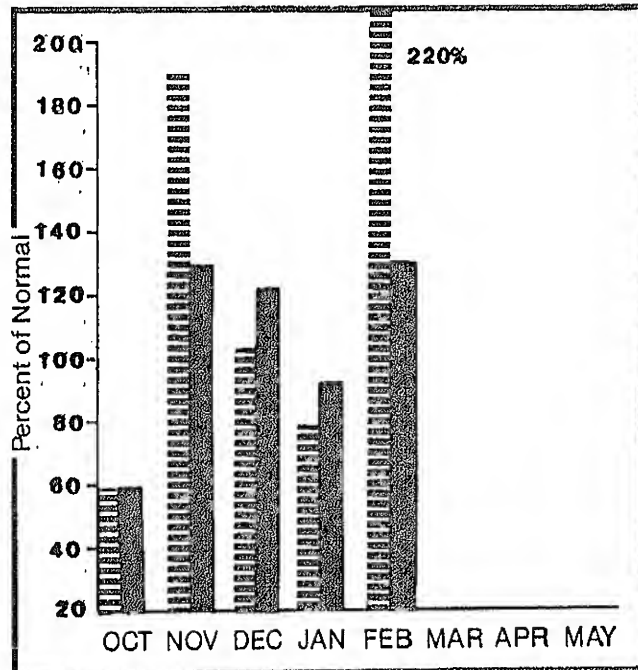
Mountain snowpack* (Inches)



*Based on selected stations

Maximum Average
 Minimum Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation Year to date precipitation

WATER SUPPLY OUTLOOK:

Basin snowpack values are 140 percent of average or a 30 percent increase since February 1. Large snow accumulations during the month triggered several avalanches, one which came very close to the Lamance Creek SNOTEL site. February precipitation was 220 percent of average and brings the water year total to 130 percent of average. The Humboldt River forecast is 380,000 acre feet or 165 percent of average.

For more information contact your local Soil Conservation Service office.

HUMBOLDT BASIN

STREAMFLOW FORECASTS

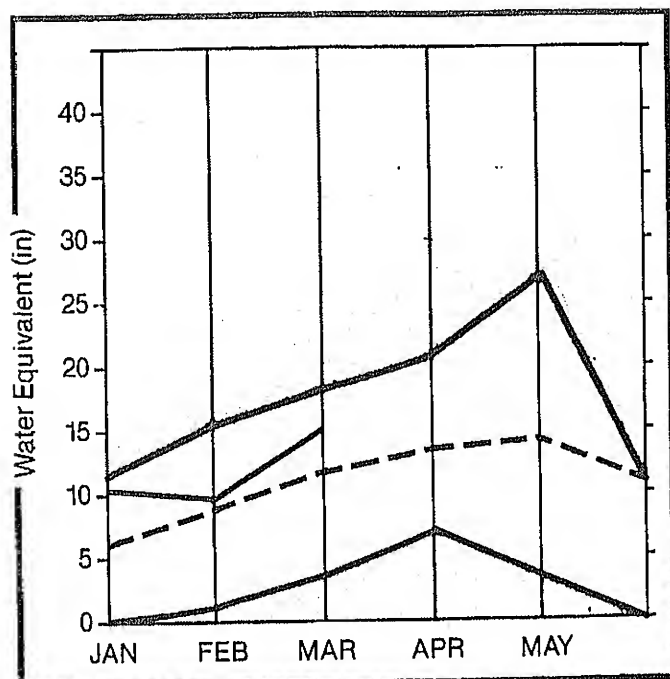
| FORECAST POINT | FORECAST PERIOD | 20 YR. AVE. (1000AF) | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVE.) | REAS. MAX. (% AVE.) | REAS. MIN. (% AVE.) | PEAK FLOW (CFS) | PEAK DATE | LOW FLOW (CFS) | LOW DATE |
|--------------------------------------|-----------------|----------------------|------------------------|------------------------|---------------------|---------------------|-----------------|-----------|----------------|----------|
| HUMBOLDT RIVER at Palisade | APR-JUL | 230.0 | 380.0 | 165 | 244 | 86 | | | | |
| HUMBOLDT RIVER at Coaus | APR-JUL | 173.0 | 295.0 | 170 | 272 | 69 | | | | |
| S FORK HUMBOLDT RIVER at Dixie | APR-JUL | 75.0 | 116.0 | 134 | 221 | 89 | | | | |
| NF HUMBOLDT RIVER at Devils Gate | APR-JUL | 34.8 | 56.0 | 160 | 233 | 89 | | | | |
| MARY'S RIVER nr Deeth | APR-JUL | 36.9 | 55.0 | 149 | 195 | 103 | | | | |
| MARTIN CREEK nr Paradise Nv | APR-JUL | 15.8 | 25.0 | 158 | 194 | 120 | | | | |
| LANOILLE CREEK nr Lamoille | APR-JUL | 28.7 | 41.0 | 142 | 181 | 105 | | | | |
| REESE RIVER nr Ione Nv | APR-JUL | 6.6 | 9.4 | 142 | 212 | 76 | | | | |
| L. HUMBOLDT RIVER nr Paradise Valley | APR-JUL | 9.7 | 17.9 | 184 | 227 | 144 | | | | |
| ROCK CREEK nr Battle Mtn. | APR-JUL | 16.0 | 27.0 | 168 | 238 | 100 | | | | |

| RESERVOIR STORAGE (1000AF) | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|----------------------------|------------------|------------------------------|--------------|-----------------------------|---------------------------|-------------------|------------------------------------|
| RESERVOIR | USEABLE CAPACITY | xx USEABLE STORAGE THIS YEAR | xx LAST YEAR | xx AVE. | WATERSHED | NO. COURSES AVE.D | THIS YEAR AS % OF LAST YR. AVERAGE |
| RYE PATCH RESERVOIR | 194.3 | 140.9 | 134.0 | 104.1 | LANOILLE CREEK | 3 | 177 162 |
| | | | | | S. FORK HUMBOLDT | 11 | 126 124 |
| | | | | | MARY'S RIVER | 5 | 121 119 |
| | | | | | N. FORK HUMBOLDT | 9 | 130 143 |
| | | | | | HUMBOLDT Rv. at Palisades | 12 | 141 145 |
| | | | | | HUMBOLDT RIVER at Coaus | 12 | 141 145 |
| | | | | | LITTLE HUMBOLDT RIVER | 4 | 144 189 |
| | | | | | MARTIN CREEK | 5 | 143 181 |
| | | | | | REESE RIVER | 4 | 93 123 |
| | | | | | ROCK CREEK | 3 | 124 146 |

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

SNAKE & OUYHEE BASINS

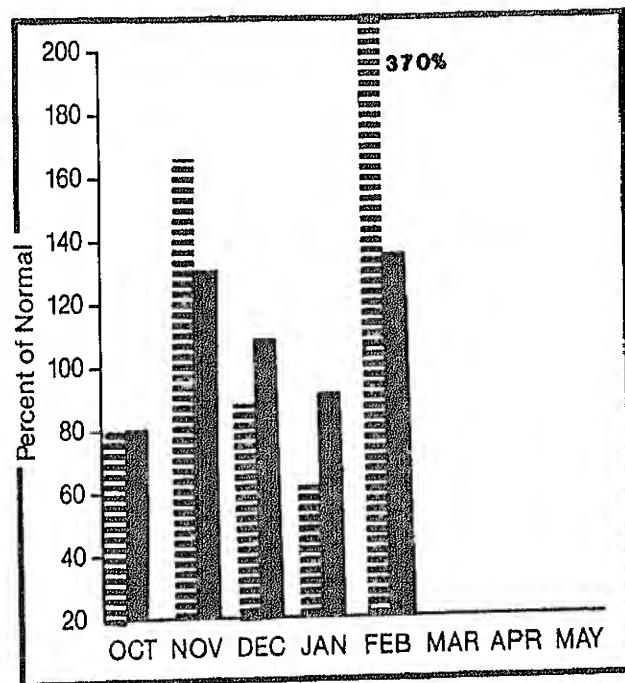
Mountain snowpack* (Inches)



*Based on selected stations

Maximum Average
 Minimum Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation Year to date precipitation

WATER SUPPLY OUTLOOK:

Combined basin snowpack accumulation values increased 25 percent during February with the basin currently 135 percent of average. The Owyhee basin is 150 percent of average while the Snake basin is 120 percent of average. Precipitation during February was 370 percent of average. Water year precipitation is 125 percent of average. Wildhorse Reservoir storage is 180 percent of average which is 10 percent below last year's value.

For more information contact your local Soil Conservation Service office.

SNAKE & OUYHEE BASINS

STREAMFLOW FORECASTS

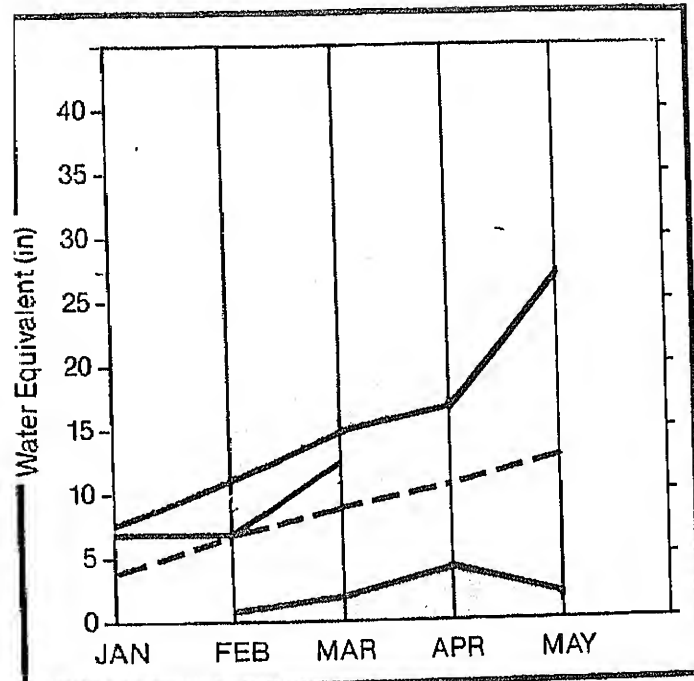
| FORECAST POINT | FORECAST PERIOD | 20 YR. AVE. (1000AF) | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVE.) | REAS. MAX. (% AVE.) | REAS. MIN. (% AVE.) | PEAK FLOW (CFS) | PEAK DATE | LOW FLOW (CFS) | LOW DATE |
|--------------------------------|-----------------|----------------------|------------------------|------------------------|---------------------|---------------------|-----------------|-----------|----------------|----------|
| OYHEE RIVER nr Gold Creek | APR-JUL | 22.0 | 32.0 | 145 | 200 | 91 | | | | |
| OYHEE RIVER nr Ouyhee | APR-JUL | 85.4 | 110.0 | 128 | 181 | 76 | | | | |
| S FORK OYHEE nr White Rock, Nv | APR-JUL | 83.0 | 112.0 | 134 | 188 | 82 | | | | |

| RESERVOIR STORAGE (1000AF) | | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|----------------------------|------------------|-----------|-----------|------|-----------------------------|-------------------|----------------------------|--------------|
| RESERVOIR | USEABLE CAPACITY | THIS YEAR | LAST YEAR | AVE. | WATERSHED | NO. COURSES AVE.D | THIS YEAR AS % OF LAST YR. | % OF AVERAGE |
| HILHORSE RESERVOIR | 71.5 | 52.7 | 60.0 | 29.4 | OYHEE RIVER nr Ouyhee | 7 | 139 | 146 |
| | | | | | OYHEE Rv. nr Gold Creek | 4 | 152 | 163 |
| | | | | | S. FORK OYHEE RIVER | 7 | 139 | 146 |
| | | | | | SALMON FALLS CREEK | 4 | 118 | 117 |

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

EASTERN NEVADA

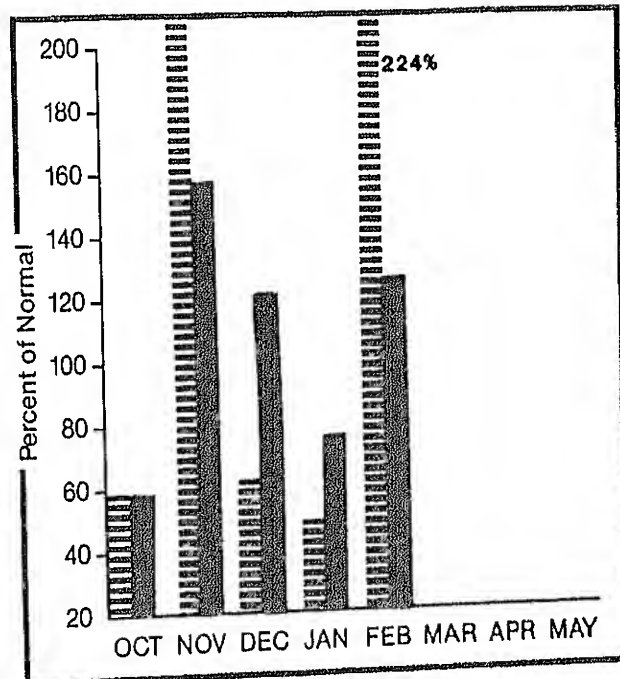
Mountain snowpack* (inches)



*Based on selected stations

Maximum Average
 Minimum Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack accumulations increased 35 percent during February to 135 percent of average. Snow course measurements below 7500 feet elevation recorded below average values while courses above this elevation were above average. Precipitation during the month was 225 percent of average with the water year total 125 percent of average. The April-July forecast for Steptoe Creek near Ely is 3,000 acre feet which is 150 percent of average.

For more information contact your local Soil Conservation Service office.

EASTERN NEVADA

STREAMFLOW FORECASTS

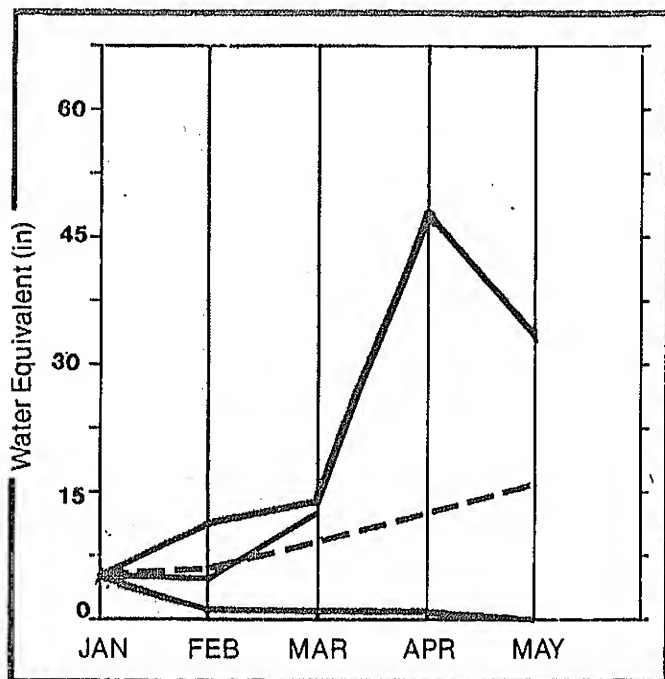
| FORECAST POINT | FORECAST PERIOD | 20 YR. AVE. (1000AF) | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVE.) | REAS. MAX. (% AVE.) | REAS. MIN. (% AVE.) | PEAK FLOW (CFS) | PEAK DATE | LOW FLOW (CFS) | LOW DATE |
|------------------------------|-----------------|----------------------|------------------------|------------------------|---------------------|---------------------|-----------------|-----------|----------------|----------|
| STEPTOE CREEK nr Ely | APR-JUL | 2.0 | 3.0 | 150 | 200 | 100 | | | | |
| KINGSTON CREEK nr Austin, Nv | APR-JUL | 3.3 | 4.5 | 136 | 212 | 61 | | | | |
| FRANKLIN RIVER nr Arthur | APR-JUL | 5.9 | 7.0 | 118 | 186 | 51 | | | | |

| RESERVOIR STORAGE (1000AF) | | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|----------------------------|------------------|---------------------------|---------------------------|----------------------|-----------------------------|-------------------|------------------------------------|-----|
| RESERVOIR | USEABLE CAPACITY | USEABLE STORAGE THIS YEAR | USEABLE STORAGE LAST YEAR | USEABLE STORAGE AVE. | WATERSHED | NO. COURSES AVE.D | THIS YEAR AS % OF LAST YR. AVERAGE | |
| | | | | | FRANKLIN RIVER | 3 | 161 | 153 |
| | | | | | KINGSTON CREEK | 4 | 93 | 123 |
| | | | | | EASTERN NEVADA | 5 | 82 | 117 |
| | | | | | STEPTOE VALLEY | 2 | 105 | 120 |

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

NORTHERN GREAT BASIN

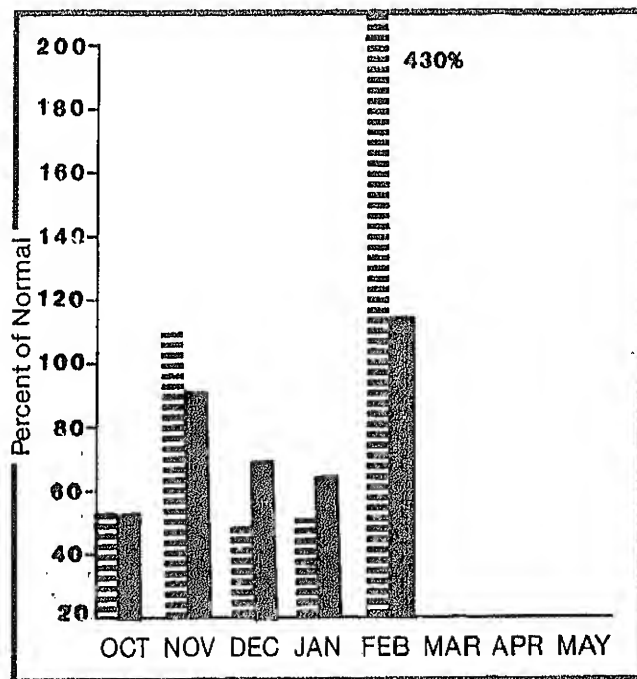
Mountain snowpack* (inches)



*Based on selected stations

Maximum ——— Average - - - - -
Minimum ——— Current ———

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack accumulations have increased tremendously since February 1. The March 1 snowpack was 150-175 percent of average. Precipitation during February was 430 percent of average and is 120 percent of average for the water year. Streamflow forecasts have been increased as a result and the prospect for summer water supply is good. Bidwell Creek near Fort Bidwell forecast is 12,000 acre feet which is 115 percent of average. Quinn River near McDermitt will flow 16,000 acre during April-Jul or 90 percent. .

For more information contact your local Soil Conservation Service office.

NORTHERN GREAT BASIN

STREAMFLOW FORECASTS

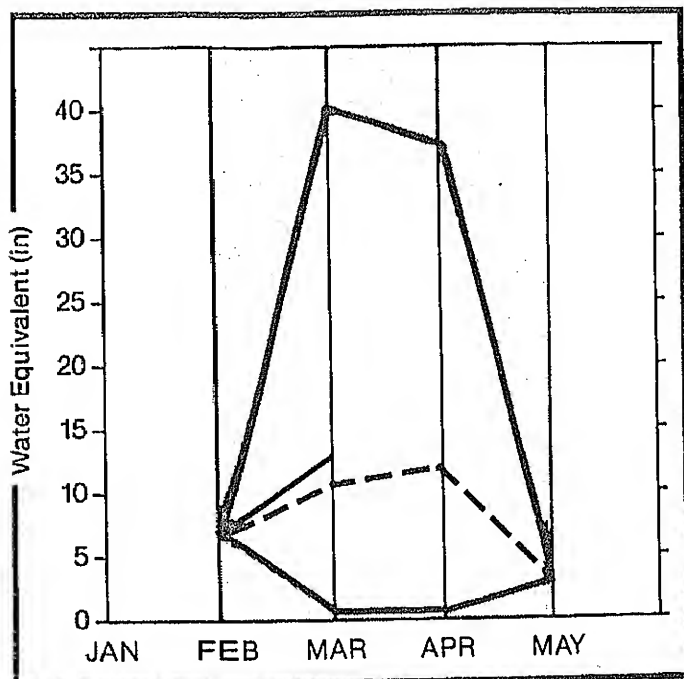
| FORECAST POINT | FORECAST PERIOD | 20 YR. AVE. (1000AF) | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVE.) | REAS. MAX. (% AVE.) | REAS. MIN. (% AVE.) | PEAK FLOW (CFS) | PEAK DATE | LOW FLOW (CFS) | LOW DATE |
|----------------------------------|-----------------|----------------------|------------------------|------------------------|---------------------|---------------------|-----------------|-----------|----------------|----------|
| BIDWELL CREEK nr Fort Bidwell | APR-JUL | 12.0 | 14.1 | 117 | 167 | 67 | | | | |
| DEEP CREEK nr Cedarville, Ca | APR-JUL | 3.6 | 4.1 | 113 | 167 | 56 | | | | |
| EAGLE CREEK nr Eagleville, Ca | APR-JUL | 4.3 | 5.0 | 116 | 163 | 70 | | | | |
| HILL CREEK nr Cedarville, Ca | APR-JUL | 4.1 | 4.5 | 109 | 171 | 49 | | | | |
| QUINN RIVER nr McDermitt, Nv | APR-JUL | 16.0 | 14.5 | 90 | 131 | 50 | | | | |
| E. FORK QUINN RIVER nr McDermitt | APR-JUL | 13.0 | 12.7 | 97 | 139 | 54 | | | | |
| MCDERMITT CREEK nr McDermitt | APR-JUL | 12.0 | 10.8 | 90 | 133 | 50 | | | | |

| RESERVOIR STORAGE (1000AF) | | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|----------------------------|-----------|-----------------------|-----------|------|-----------------------------|-------------------|-------------------|---------|
| RESERVOIR | USEABLE 1 | ** USEABLE STORAGE ** | | AVE. | WATERSHED | NO. COURSES AVE.0 | THIS YEAR AS % OF | |
| | CAPACITY1 | THIS YEAR | LAST YEAR | | | | LAST YR. | AVERAGE |
| | | | | | BIDWELL | 1 | 111 | 67 |
| | | | | | QUINN RIVER | 3 | 185 | 188 |
| | | | | | E. FORK QUINN | 3 | 185 | 188 |
| | | | | | McDERMITT CREEK | 3 | 185 | 188 |

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

SOUTHERN NEVADA

Mountain snowpack* (inches)



*Based on selected stations

Maximum



Average



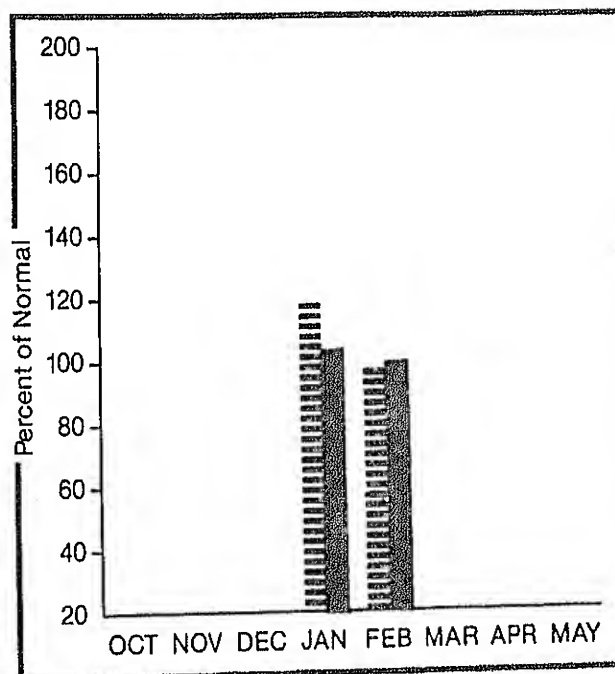
Minimum



Current



Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation



Year to date precipitation



WATER SUPPLY OUTLOOK:

Snow courses in the Spring Mountains west of Las Vegas are 120 percent of March 1 averages. All course values are less than recorded last year. Precipitation during February was average and the water year total is slightly above average. Reservoir storage in the Lower Colorado basin is 150 percent of average. Lake Mead is 130 percent of average while Lake Mohave is 95 percent of average.

For more information contact your local Soil Conservation Service office.

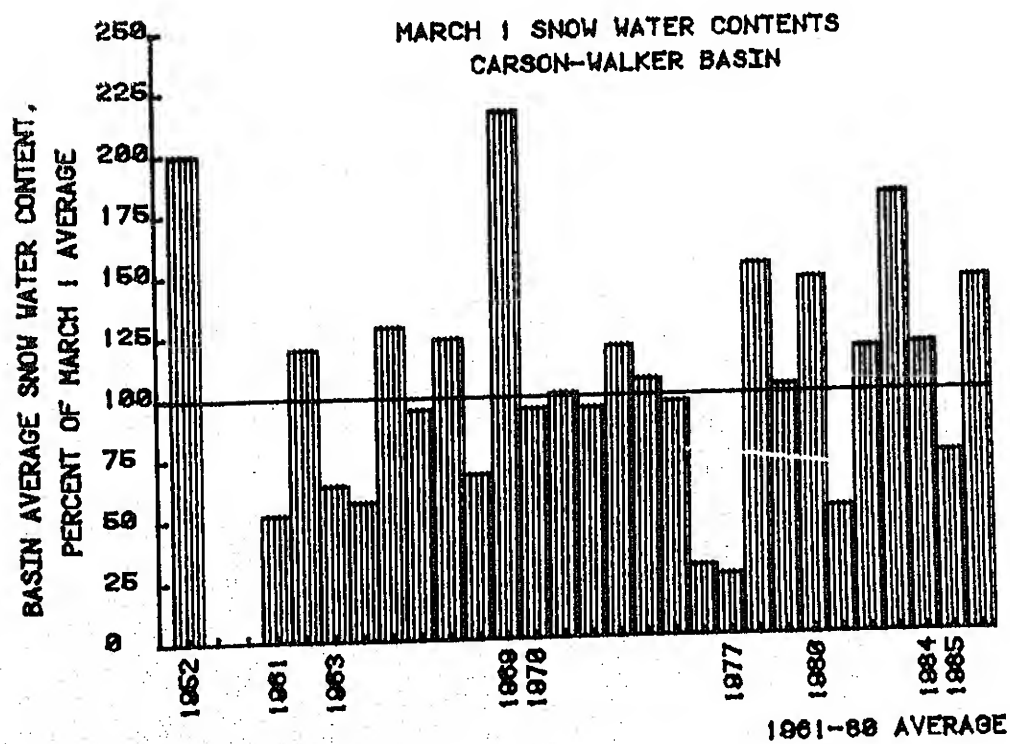
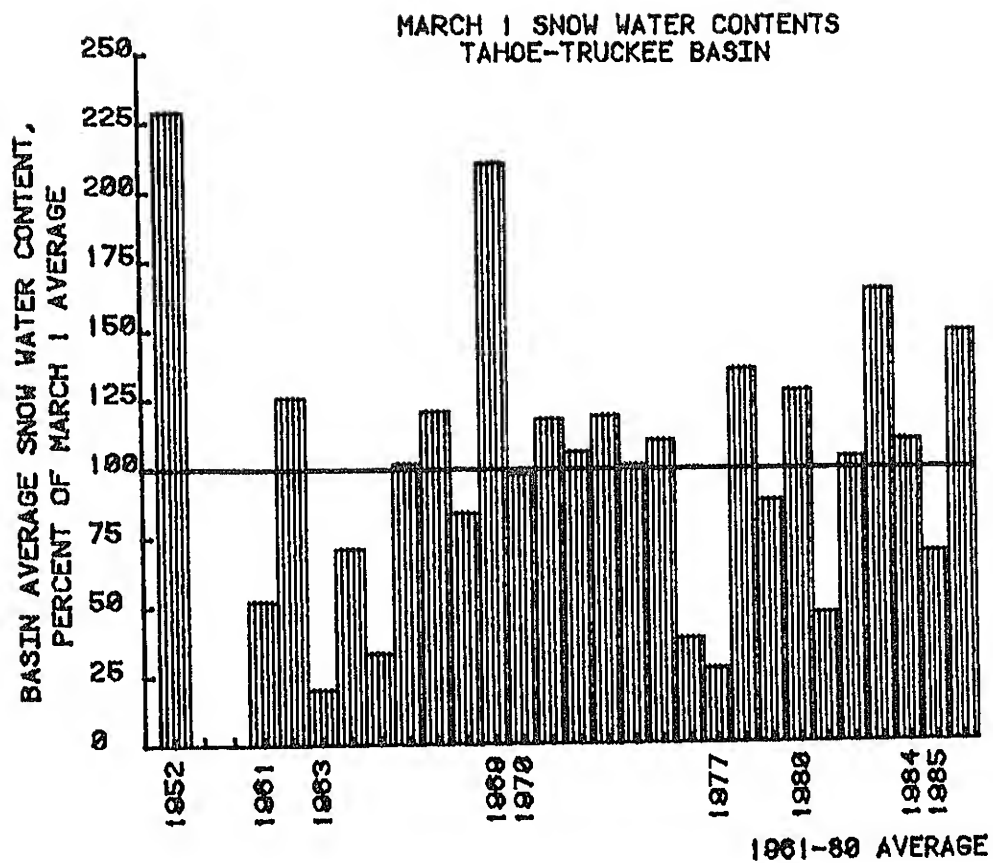
SOUTHERN NEVADA

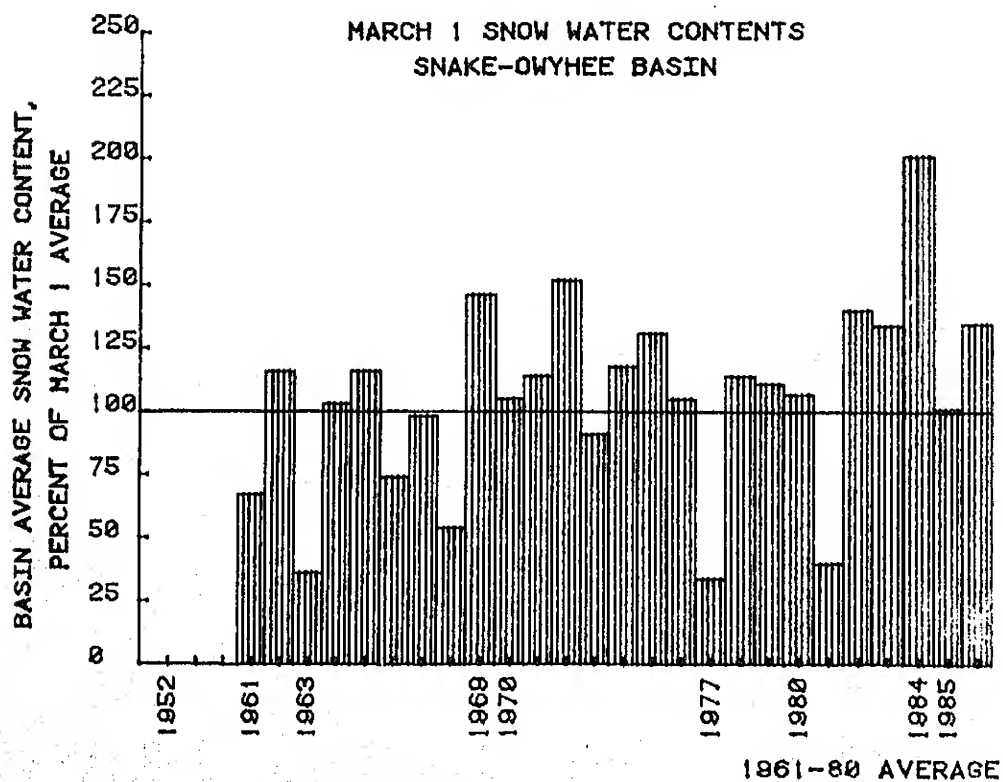
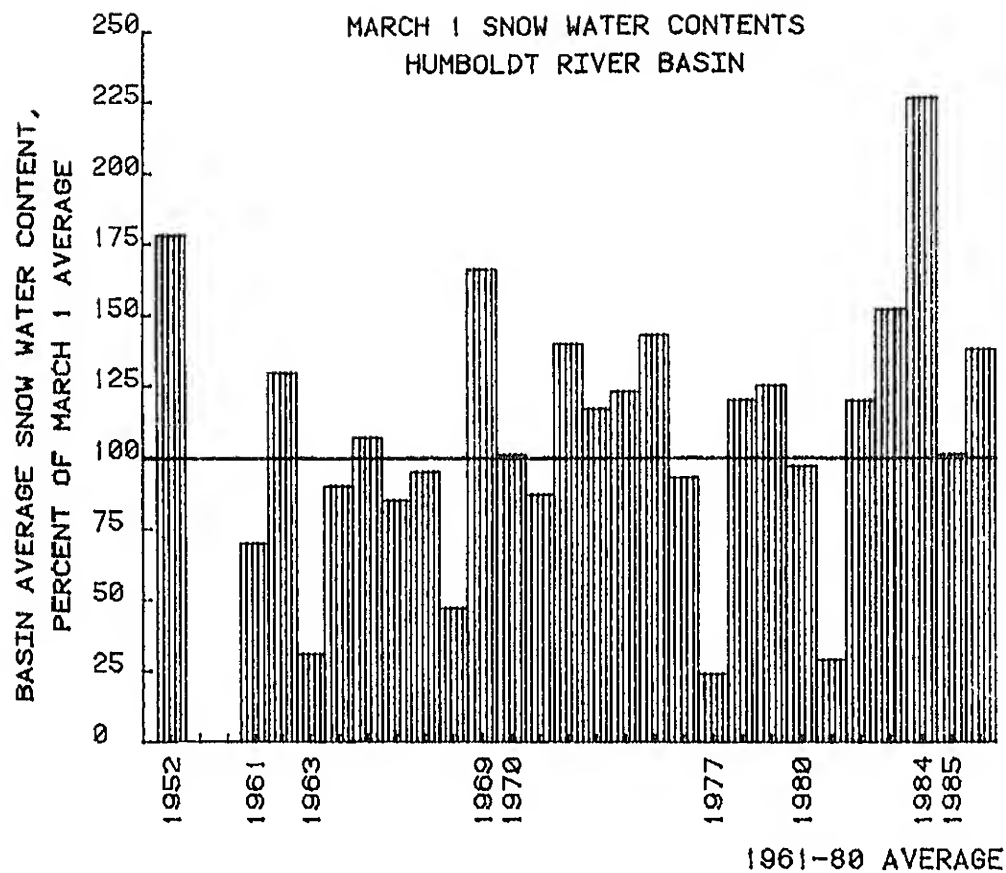
STREAMFLOW FORECASTS

| FORECAST POINT | FORECAST PERIOD | 20 YR. AVE. (1000AF) | HIST PROBABLE (1000AF) | HIST PROBABLE (% AVE.) | REAS. MAX. (% AVE.) | REAS. MIN. (% AVE.) | PEAK FLOW (CFS) | PEAK DATE | LOW FLOW (CFS) | LOW DATE |
|---------------------------------|-----------------|----------------------|------------------------|------------------------|---------------------|---------------------|-----------------|-----------|----------------|----------|
| VIRGIN RIVER near Hurricane, UT | APR-JUL | 62.0 | 45.0 | 72 | 110 | 34 | | | | |
| LAKE POWELL inflow | APR-JUL | 7462.0 | 11000.0 | 147 | 183 | 116 | | | | |

| RESERVOIR STORAGE (1000AF) | | | | | WATERSHED SNOWPACK ANALYSIS | | | |
|----------------------------|------------------|-------------------|-------------------|----------------------|-----------------------------|-------------------|----------------------------|--------------|
| RESERVOIR | USEABLE CAPACITY | USEABLE THIS YEAR | USEABLE LAST YEAR | USEABLE STORAGE AVE. | WATERSHED | NO. COURSES AVE.D | THIS YEAR AS % OF LAST YR. | % OF AVERAGE |
| LAKE MOHAVE | 1810.0 | 1591.0 | 1732.0 | 1676.0 | VIRGIN Rv. at Littlefield | 4 | 80 | 89 |
| LAKE MEAD | 26159.0 | 23321.0 | 23898.0 | 16377.0 | VIRGIN Rv. at Hurricane | 4 | 80 | 89 |

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.





The Following Organizations Cooperate With The Soil Conservation Service In Snow Survey Work

STATE

California Cooperative Snow Surveys
California Department of Parks and Recreation
California Department of Water Resources
Colorado River Commission of Nevada
Idaho Cooperative Snow Surveys
Nevada Association of Conservation Districts
Nevada Department of Conservation & Natural Resources
 Division of Water Resources
 Nevada State Forester
 Division of Conservation Districts
Oregon Cooperative Snow Surveys
University of Nevada, Desert Research Institute
Utah Cooperative Snow Surveys

FEDERAL

Bureau of Reclamation
Forest Service
Geological Survey
Soil Conservation Service
U.S. District Court - Federal Water Master
NOAA, National Weather Service

PRIVATE

Nevada Irrigation District
Owyhee Project North Board of Control
Owyhee Project South Board of Control
Pacific Gas and Electric Company
Pershing County Water Conservation District
Sierra Pacific Power Company
Truckee - Carson Irrigation District
Walker River Irrigation District
Washoe County Water Conservancy District

Other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.